

<b>Notice of Allowability</b>	Application N .	Applicant(s)
	10/006,786	ADAMS, FRANK J.
	Examiner	Art Unit
	Tuan N Nguyen	2828

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to 04/02/2004.

2.  The allowed claim(s) is/are 2-19,21 and 25-27.

3.  The drawings filed on 05 December 2001 are accepted by the Examiner.

4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)  All    b)  Some\*    c)  None    of the:

1.  Certified copies of the priority documents have been received.

2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.

(a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached

1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.

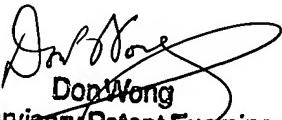
(b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                 | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____. | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material           | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|  | 9. <input type="checkbox"/> Other _____.   |

  
 Don Wong  
 Supervisory Patent Examiner  
 Technology Center 2800  
 Notice of Allowability

**DETAIL ACTION**

***Response to Amendment***

1. In responding to applicant's amendment filed 04/02/2004, claims 2, 5, 14, 15, 16, 21 have been amended, claims 1, 20, 22-24 have been canceled, and claims 25-27 have been added. Amendments to the specification paragraph on page 1 (line 21-27), and page 10 (line 28), through page 11 (line 11) has been accepted.

**REASON FOR ALLOWANCE**

***Allowable Subject Matter***

2. The following is an examiner's statement of reasons for allowance - Applicant's response filed on 04/02/2004 has been considered, with respect to claims 2, 5, 14, 15, 16, and 21 the references of the record fail to teach or suggest:

An apparatus for calibrating a frequency difference between a first laser and a second laser, the apparatus comprising, comprising: a first tuning controller coupled to the first laser; a second tuning controller coupled to the second laser; an optical coupler optically coupled to the first laser and the second laser; a frequency detector coupled to the optical coupler; and a controller coupled to the frequency detector and the first and second tuning controllers, wherein the controller includes a processor and a memory, the memory containing a set of instructions that are executable by the processor, the set of instructions implementing a method for calibrating a frequency difference between the first and second lasers over an extended frequency range, wherein the tuning controllers and frequency detector are operable in response

to signals from the controllers, the instructions including a set of instructions directing the tuning controllers and frequency detector to calibrate a frequency difference between the first and second lasers with respect to the one or more tuning parameters of the first and/or second laser over a first narrow frequency range that is within a frequency range of the detector; a set of instructions directing the tuning controllers and frequency detector to calibrate a frequency difference between the first and second lasers with respect to the one or more tuning parameters over a second narrow frequency range that is within the frequency range of the detector and that is different from the first narrow frequency range; and a set of instructions for coordinating the resulting frequency difference calibrations for the first and second narrow frequency ranges to calibrate the frequency difference between the first and second lasers with respect to the one or more tuning parameters over an extended frequency range that is greater than the frequency range of the detector.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Communication Information***

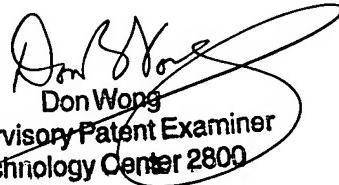
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan N Nguyen whose telephone number is (571) 272-1948. The examiner can normally be reached on M-F: 7:30 - 4:30PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9318 for regular communications and (703) 872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-3329.

Tuan N. Nguyen



Don Wong  
Supervisory Patent Examiner  
Technology Center 2800